

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims

Claim 1 (Currently Amended): An analysis system comprising:
a sample rack in which plural samples are accommodated;
a sample container supply means for supplying sample containers;
a sample aspirating-and-dispensing means for aspirating each sample from said sample rack and dispensing said sample into said sample container;
a solvent-removing means for evaporating off a first solvent from each sample and drying and solidifying the sample;
a ~~solvent-dispensing~~ solvent-dispensing means for dispensing a second solvent into each sample dried and solidified;
a sample-stirring means for stirring the sample in which said second solvent has been dispensed;
a sample aspirating-and-transferring means for aspirating each sample dissolved in said second solvent and ~~transferred~~ transferring sample into a measuring portion;
a sample recovery means for recovering the sample into a sample container from said measuring portion after measurement;
a sample container recovery means for recovering the sample container in which the investigated sample has been recovered; and
a control means for controlling the aforementioned various means.

Claim 2 (Original): The analysis system of claim 1, wherein said plural samples are successively supplied from a high performance liquid chromatograph.

Claim 3 (Original): The analysis system of claim 2, wherein the samples supplied from said high performance liquid chromatograph are separately taken into a fraction collector of said high performance liquid chromatograph and then supplied successively to a sample rack via tubes in communication with said sample rack.

Claim 4 (Original): The analysis system of claim 1, wherein said solvent-removing means comprises a sample container temperature-adjusting means for adjusting the temperature of the sample container to a desired temperature and a gas blowout means for blowing a regulated flow rate of gas against the sample, the gas being adjusted to a desired temperature.

Claim 5 (Currently Amended): The analysis system of claim 1, wherein said second solvent contains plural kinds, and wherein said ~~solvent-dispensing~~ solvent-dispensing means is capable of selecting a desired one out of the plural kinds of said second solvent and dispensing the selected kind of the second solvent.

Claim 6 (Original): The analysis system of claim 1, wherein each sample aspirated and transferred by said sample aspirating-and-transferring means is subjected to measurement and then the sample is pushed out of the measuring portion by a gas under pressure, whereby the sample is recovered into a sample container.

Claim 7 (Original): The analysis system of claim 1, wherein the rack for holding the sample container recovered by said sample container recovery means is of microplate size.

Claim 8 (Original): The analysis system of claim 1, wherein said samples are solutions including said first solvent.

Claim 9 (Withdrawn): An analysis method comprising the steps of:
placing plural samples in a sample rack;
supplying sample containers;
aspirating each sample from said sample rack and dispensing the sample into said sample container;
evaporating off a first solvent from each sample and drying and solidifying the sample;
dispensing a second solvent into each sample dried and solidified;
stirring each sample in which said second solvent has been dispensed;

aspirating the sample in which said second solvent has been dispensed and transferring the sample into a measuring portion;

recovering the investigated sample into said sample container after measurement; and

recovering said sample containers in which the samples have been recovered.

Claim 10 (Withdrawn): The analysis method of claim 9, further comprising the step of skipping desired ones of said steps.

Claim 11 (Withdrawn): The analysis method of claim 9, wherein said samples are solutions including said first solvent.

Claim 12 (Currently Amended): An analysis system comprising:

a sample container supply means for supplying sample containers each holding a sample therein;

a solvent-removing means for evaporating off a first solvent in the supplied sample containers and drying and solidifying each sample;

a ~~solvent-dispensing~~ solvent-dispensing means for dispensing a second solvent into each sample dried and solidified;

a sample-stirring means for stirring each sample in which said second solvent has been dispensed;

a sample aspirating-and-transferring means for aspirating each sample dissolved in said second solvent and transferring the aspirated sample into a measuring portion;

a sample recovery means for recovering the sample into a sample container from said measuring portion after measurement;

a sample container recovery means for recovering the sample containers in which the investigated samples have been recovered; and

a control means for controlling the above-described various means.

Claim 13 (Original): The analysis system of claim 12, wherein said solvent-removing means comprises a sample container temperature-adjusting means for adjusting the temperature of the sample container to a desired temperature and a gas blowout means for {W0216275.1}

blowing a regulated flow rate of gas against the sample, the gas being adjusted to a desired temperature.

Claim 14 (Currently Amended): The analysis system of claim 12, wherein said second solvent contains plural kinds, and wherein said ~~solvent-dispensing~~ solvent-dispensing means is capable of selecting a desired one out of the plural kinds of the second solvent and dispensing it.

Claim 15 (Original): The analysis system of claim 12, wherein the sample aspirated and transferred by said aspirating-and-transferring means is subjected to measurement and then the sample is pushed out of the measuring portion by a gas under pressure, whereby the sample is recovered into the sample container.

Claim 16 (Original): The analysis system of claim 12, wherein a rack for accommodating the sample containers recovered by said sample container recovery means is of microplate size.

Claim 17 (Original): The analysis system of claim 12, wherein said samples are solutions including said first solvent.

Claim 18 (Withdrawn): An analysis method comprising the steps of:
supplying sample containers each holding a sample therein;
evaporating off a first solvent from the sample in each supplied sample container and drying and solidifying the sample;
dispensing a second solvent into each sample dried and solidified;
stirring each sample in which said second solvent has been dispensed;
aspirating each sample dissolved in said second solvent and transferring the sample into a measuring portion;
recovering each sample into a sample container from said measuring portion after measurement; and
recovering the sample containers in which the investigated samples have been recovered.

Claim 19 (Withdrawn): The analysis method of claim 18, further comprising the step of skipping desired ones of said steps.

Claim 20 (Withdrawn): The analysis method of claim 18, wherein said samples are solutions containing said first solvent.

Claim 21 (Currently Amended): An analysis system comprising:
a sample container supply means for supplying sample containers each holding a sample therein;
a solvent-removing means for evaporating off a first solvent from each sample and drying and solidifying the sample;
~~a solvent-dispensing~~ solvent-dispensing means for dispensing a second solvent into each sample container;
a sample-stirring means for stirring each sample in which said second solvent has been dispensed;
a sample aspirating-and-transferring means for aspirating each sample dissolved in said second solvent and transferring the sample into a measuring portion;
a sample recovery means for recovering the sample into a sample container from said measuring portion after measurement;
a sample container recovery means for recovering each sample container in which the investigated sample has been recovered; and
a control means for controlling the above-described various means.

Claim 22 (Currently Amended): The analysis system of claim 21, wherein said second solvent contains plural kinds, and wherein said ~~solvent-dispensing~~ solvent-dispensing means is capable of selecting a desired one out of the plural kinds of the second solvent and dispensing it.

Claim 23 (Original): The analysis system of claim 21, wherein the sample aspirated and transferred by said aspirating-and-transferring means is subjected to measurement and then pushed out of said measuring portion by a gas under pressure, whereby the sample is recovered into said sample container.

Claim 24 (Original): The analysis system of claim 21, wherein the rack for holding the sample containers recovered by said sample container recovery means is of microplate size.

Claim 25 (Original): The analysis system of claim 21, wherein the samples are solutions dissolved in said second solvent or are a solid.

Claim 26 (Withdrawn): An analysis method comprising the steps of:
supplying sample containers each holding a sample therein;
dispensing a second solvent into each sample container;
stirring the sample in which said second solvent has been dispensed;
aspirating each sample containing said second solvent and transferring the sample into a measuring portion;
recovering each sample into a sample container from said measuring portion after measurement; and
recovering each sample container in which the investigated sample has been recovered.

Claim 27 (Withdrawn): The analysis method of claim 26, further comprising the step of skipping desired ones of said steps.

Claim 28 (Withdrawn): The analysis method of claim 26, wherein the samples are solutions dissolved in said second solvent or are a solid.

Claim 29 (Withdrawn): The analysis system of claim 1, 12, or 21, wherein said first solvent is a protonated solvent, and wherein said second solvent is a deuterated solvent.

Claim 30 (Withdrawn): The analysis method of claim 9, 18, or 26, wherein said first solvent is a protonated solvent, and wherein said second solvent is a deuterated solvent.

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Claim 31 (Withdrawn): The analysis system of claim 1, 12, or 21, wherein the aforementioned various means are set at the site of given positions on a turntable, and wherein the process is made to proceed by rotating said turntable carrying the sample containers thereon incrementally.

Claim 32 (Withdrawn): The analysis method of claim 9, 18, or 26, wherein the aforementioned various steps are carried out in given positions on a turntable, and wherein the process is made to proceed by rotating said turntable carrying the sample containers thereon incrementally.